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MINUTES OF THE SIXTEENTH ANNUAL MEETING OF THE
ASTRONOMICAL SOCIETY OF THE PACIFIC, HELD IN THE
ROOMS OF THE SOCIETY, MARCH 26, 1904, AT 8 P.M.

The meeting was called to order by President VON GELDERN. A quorum was present. The minutes of the last meeting were approved. The Secretary read the names of new members duly elected at the Directors' meeting.

The following papers were presented:—

1. Address of the retiring President of the Society, by OTTO VON GELDERN.
2. Reports of Committees: on Nominations; on the Comet Medal; on the Library on Auditing; and Annual Report of the Treasurer.
3. Photographs of Comet Borrelly, by SEB. ALBRECHT.
4. Variable Star Notes, by Miss O'HALLORAN.
5. A Few Details of the Twelve-Year Sun Spot Cycle, by Miss O'HALLORAN.
6. Planetary Phenomena for May and June, 1904, by M. McNEILL.
7. The Supporting and Counterweighting of the Principal Axes of Large Telescopes, by C. D. PERRINE.

The Committee on Nominations reported a list of names proposed for election as Directors, as follows: Messrs. R. G. AITKEN, CHAS. BURCKHALTER, W. W. CAMPBELL, WM. H. CROCKER, CHAS. S. CUSHING, GEO. C. EDWARDS, A. O. LEUSCHNER, GEO. C. PARDEE, WM. M. PIERSON, S. D. TOWNLEY, F. R. ZIEL.

For Committee on Publication: Messrs. R. G. AITKEN (Chairman), FRANK SCHLESINGER, S. D. TOWNLEY.

Messrs. SCHIRMAN and ATKINS were appointed as tellers. The polls were open from 8:15 to 9 P.M., and the persons above named were duly elected to serve for the ensuing year.

REPORT OF THE COMMITTEE ON THE DONOHUE COMET-MEDAL.

Submitted March 26, 1904.

This reports relates to the Calendar year 1903. The Comets of 1903 have been:—

Comet *a* (unexpected comet), discovered by M. GIACOBINI, at Nice, on January 15th.

Comet *b* (unexpected comet), discovered by Mr. JOHN GRIGG, at Thames, N. Z., on April 16th.

Comet *c* (unexpected comet), discovered by M. BORRELLY, at Marseilles, France, on June 21st.

Comet *d* (Brooks's periodic comet, 1889 V, 1896 VI), observed on its return by R. G. AITKEN, at the Lick Observatory, August 18th.

In accordance with the Statutes, Donohue Comet-Medals have been awarded to the discoverers of Comets *a*, *b*, and *c*.

W. W. CAMPBELL,
CHAS. BURCKHALTER,
WM. M. PIERSON,

Committee on the Donohue Comet-Medal.

The Treasurer submitted his Annual Report as follows:—

ANNUAL STATEMENT OF THE RECEIPTS AND EXPENDITURES OF THE
ASTRONOMICAL SOCIETY OF THE PACIFIC FOR THE
FISCAL YEAR ENDING MARCH 26, 1904.

GENERAL FUND.

Receipts.

1903, March 29th. Cash Balance		\$5,414 68
Received from dues for 1903 and previous years	\$280 97	
“ “ “ “ 1904	571 40	
“ “ Life membership fee	50 00	\$902 37
“ “ sale of Publications		54 00
“ “ Life Membership Fund (interest)		56 67
“ “ John Dolbeer Fund (interest)		107 74
		<hr/>
		\$6,535 46
Less transfer to John Dolbeer Fund	\$5,000 00	
“ “ “ Life Membership Fund	50 00	5,050 00
		<hr/>
		\$1,485 46

Expenditures.

For Publications: printing Nos. 89 to 93 of Vol. XV.	\$530 70	
“ “ No. 94 of Vol. XVI.	134 50	
illustrations	23 25	\$688 45
Stationery and printing		87 95
Postages		65 32
Rent		180 00
Salary Secretary-Treasurer		180 00
Expressages		11 15
Telephone and Telegrams		2 25
Janitor		4 00
Gas		1 55
Insurance premiums		24 00
Lantern at lecture		8 50
Engrossing diplomas		9 00
Taxes		2 70
Bank Exchanges		10
Rent safe deposit box		5 00
		<hr/>
		1,269 97
1904, March 26th. Cash Balance		\$ 215 49

LIFE MEMBERSHIP FUND.

1903, March 29th. Cash Balance	\$1,703 95
Received from General Fund	50 00
Interest for 1903	56 67
	<hr/>
	\$1,810 62
Less transfer to General Fund (interest)	56 67
	<hr/>
1904, March 26th. Cash Balance	\$1,753 95

ALEXANDER MONTGOMERY LIBRARY FUND.

1903, March 29th. Cash Balance	\$1,515 14	
Interest for 1903	48 33	
		<u>\$1,563 47</u>
Less expenditures:		
<i>Astrophysical Journal</i> , 2 Nos.	\$ 1 00	
<i>Astronomischer Jahresbericht</i> , Vols. II and III	9 81	
Hicks-Judd Co., binding	66 13	
<i>Himmel & Erde</i> , Vol. III	75	
<i>Popular Astronomy</i> , subscription, Nos. 111 to 120	2 50	
<i>Astronomical Journal</i> , Vols. 20, 21, 22	9 75	
<i>Astronomische Nachrichten</i> , Vols. 159, 160, 161	7 92	
Checking card catalogue and card index	10 00	
Preparing Manuscript Catalogue of bound books	40 00	147 86
1904, March 26th. Cash Balance		<u>\$1,415 61</u>

DONOHUE COMET-MEDAL FUND.

1903, March 29th. Cash Balance	\$705 58	
Interest for 1903	23 30	
		<u>\$728 88</u>
Less engraving medals Nos. 43, 44, 45, and postage	4 53	
1904, March 26th. Cash Balance	\$724 35	

BRUCE MEDAL FUND.

1903, March 29th. Cash Balance	\$2,548 79	
Interest for 1903	79 64	
		<u>\$2,628 43</u>
Less remittance to A. DuBois, Paris, (fifth award)	101 95	
1904, March 26th. Cash Balance	\$2,526 48	

JOHN DOLBEER FUND.

1903, March 30th. Payment by General Fund.	\$5,000 00	
Interest for 1903	107 74	
		<u>\$5,107 74</u>
Less transfer to General Fund (interest)	107 74	
1904, March 26th. Cash Balance	\$5,000 00	

FUNDS.

Balances as follows:

General Fund:		
with Donohoe-Kelly Banking Co.		\$215 49
Life Membership Fund:		
with San Francisco Savings Union	\$ 303 95	
“ German Savings and Loan Society	250 00	
“ Hibernia Savings and Loan Society	200 00	
South Pacific Coast Railway Co., 1st Mortgage 4% guaranteed (by S. P. Co.) \$1,000 Gold Bond, No. 3,406	1,000 00	1,753 95
(Principal due July 1, 1937; interest Jan. 1 and July 1.)		
Alexander Montgomery Library Fund:		
with San Francisco Savings Union	\$ 165 89	
“ German Savings and Loan Society	138 06	
“ Hibernia Savings and Loan Society	71 66	
Oakland Transit Consolidated, 1st consolidated Mortgage 5% \$1,000 Gold Bond, No. 4,328	1,040 00	1,415 61
(Principal due July 1, 1932; interest Jan. 1 and July 1.)		
Donohoe Comet-Medal Fund:		
with San Francisco Savings Union	\$ 224 64	
“ German Savings and Loan Society	245 26	
“ Hibernia Savings and Loan Society	254 45	724 35
Bruce Medal Fund:		
with San Francisco Savings Union	\$ 215 49	
“ Security Savings Bank	159 11	
“ German Savings and Loan Society	162 16	
Bay Counties Power Co., 1st consolidated Mortgage 5% \$1,000 Sinking Fund Gold Bond, No. 1,636	1,012 50	
(Principal due Sept. 1, 1930; interest Mar. 1 and Sept. 1.)		
The Edison Electric Co., Los Angeles, 1st and Refunding Mortgage 5% \$1,000 Gold Bond, No. 168	977 22	2,526 48
(Principal due Sept. 1, 1922; interest Mar. 1 and Sept. 1.)		
John Dolbeer Fund:		
with Union Trust Co.	570 28	
“ Mutual Savings Bank	400 00	
South Pacific Coast Railway Co., 1st Mortgage 4% guaranteed (by S. P. Co.) \$1,000 Gold Bond, No. 3,407	1,000 00	
(Principal due July 1, 1937; interest Jan. 1 and July 1.)		
Oakland Transit Consolidated, 1st consolidated Mortgage 5% \$1,000 Gold Bond, No. 4,329	1,040 00	
(Principal due July 1, 1932; interest Jan. 1 and July 1.)		
Bay Counties Power Co., 1st consolidated Mortgage 5% \$1,000 Sinking Fund Gold Bond, No. 1,637	1,012 50	
(Principal due Sept. 1, 1930; interest Mar. 1 and Sept. 1.)		
The Edison Electric Co., Los Angeles, 1st and Refunding Mortgage 5% \$1,000 Gold Bond, No. 169	977 22	5,000 00
(Principal due Sept. 1, 1922; interest Mar. 1 and Sept. 1.)		
		<u>\$11,635 88</u>

SAN FRANCISCO, March 26, 1904.

F. R. ZIEL, *Treasurer.*

Examined and found correct.

CHAS. S. CUSHING, { *Auditing Committee.*
DANIEL SUTER, }

The report was, on motion, accepted and filed.

The Committee appointed to audit the Treasurer's accounts reported as follows, and the report was, on motion, accepted and adopted:—

SAN FRANCISCO, CAL., March 26, 1904.

To the President and Members of the Astronomical Society of the Pacific:

GENTLEMEN—Your committee appointed to audit the accounts of the Treasurer for the fiscal year ending March 26, 1904, has made a careful examination, and found the same to be correct.

Respectfully submitted,

CHAS. S. CUSHING, { *Auditing Committee.*
DANIEL SUTER, }

The President then read his annual address awarding the Bruce Medal for the year 1904, to Sir WILLIAM HUGGINS for distinguished services to Astronomy.

Dr. TOWNLEY gave an account of the work being done at the Latitude Observatory at Ukiah.

The following resolution was, on motion, adopted:—

Resolved, That all the acts appearing in the minutes of the meetings of the Board of Directors of this Society, as having been done by said Board during the past fiscal year, are here now, by this Society, approved and confirmed.

Adjourned.